

# WEIGHT OF ROUND AND SQUARE CAST IRON.

CAST IRON.—Weight of a Foot in Length of Square and Round.

| SQUARE.        |         |                |         | ROUND.       |         |              |         |
|----------------|---------|----------------|---------|--------------|---------|--------------|---------|
| Size.          | Weight. | Size.          | Weight. | Size.        | Weight. | Size.        | Weight. |
| Inches Square. | Pounds. | Inches Square. | Pounds. | Inches Diam. | Pounds. | Inches Diam. | Pounds. |
| 1              | .78     | 4              | 74.23   | 1            | .61     | 4            | 59.32   |
| 1              | 1.22    | 5              | 76.12   | 1            | .96     | 5            | 61.35   |
| 1              | 1.76    | 5              | 82.08   | 1            | 1.39    | 5            | 64.46   |
| 1              | 2.39    | 5              | 86.18   | 1            | 1.87    | 5            | 67.64   |
| 1              | 3.12    | 5              | 90.28   | 1            | 2.45    | 5            | 70.09   |
| 1              | 3.95    | 5              | 94.53   | 1            | 3.10    | 5            | 74.24   |
| 1              | 4.88    | 5              | 98.87   | 1            | 3.83    | 5            | 77.65   |
| 1              | 5.90    | 5              | 103.32  | 1            | 4.64    | 5            | 81.14   |
| 1              | 7.03    | 5              | 107.86  | 1            | 5.52    | 5            | 84.71   |
| 1              | 8.25    | 6              | 112.50  | 1            | 6.48    | 6            | 88.35   |
| 1              | 9.57    | 6              | 122.06  | 1            | 7.51    | 6            | 95.87   |
| 1              | 10.98   | 6              | 132.03  | 1            | 8.62    | 6            | 103.69  |
| 2              | 12.50   | 6              | 142.38  | 2            | 9.81    | 6            | 111.82  |
| 2              | 14.11   | 7              | 153.12  | 2            | 11.08   | 7            | 120.26  |
| 2              | 15.81   | 7              | 164.25  | 2            | 12.42   | 7            | 129.    |
| 2              | 17.63   | 7              | 175.78  | 2            | 13.84   | 7            | 138.05  |
| 2              | 19.53   | 7              | 187.68  | 2            | 15.33   | 7            | 147.41  |
| 2              | 21.53   | 8              | 200.12  | 2            | 16.91   | 8            | 157.98  |
| 2              | 23.68   | 8              | 212.66  | 2            | 18.56   | 8            | 167.05  |
| 2              | 25.88   | 8              | 225.78  | 2            | 20.38   | 8            | 177.10  |
| 3              | 28.12   | 8              | 239.25  | 3            | 22.18   | 8            | 187.91  |
| 3              | 30.51   | 9              | 253.12  | 3            | 23.96   | 9            | 198.79  |
| 3              | 33.     | 9              | 267.33  | 3            | 25.92   | 9            | 210.    |
| 3              | 35.59   | 9              | 282.    | 3            | 27.95   | 9            | 221.50  |
| 3              | 38.28   | 9              | 297.07  | 3            | 30.16   | 9            | 233.31  |
| 3              | 41.03   | 10             | 312.50  | 3            | 32.25   | 10           | 245.43  |
| 3              | 43.94   | 10             | 328.32  | 3            | 34.51   | 10           | 257.86  |
| 3              | 46.92   | 10             | 344.53  | 3            | 36.85   | 10           | 270.59  |
| 4              | 50.     | 10             | 361.15  | 4            | 39.27   | 10           | 283.63  |
| 4              | 53.14   | 11             | 378.12  | 4            | 41.76   | 11           | 296.97  |
| 4              | 56.44   | 11             | 395.50  | 4            | 44.27   | 11           | 310.63  |
| 4              | 59.81   | 11             | 413.78  | 4            | 46.97   | 11           | 324.59  |
| 4              | 63.28   | 11             | 431.44  | 4            | 49.70   | 11           | 338.85  |
| 4              | 66.84   | 12             | 450.    | 4            | 52.50   | 12           | 353.43  |
| 4              | 70.59   |                |         | 4            | 55.37   |              |         |

STEEL.—Weight of a Foot in Length of Flat.

| Size. | Thick, 1-4 in. | Thick, 3-8ths. | Thick, 1-2 in. | Thick, 5-8ths. | Side | Thick, 1-4 in. | Thick, 3-8ths. | Thick, 1-2 in. | Thick, 5-8ths. |
|-------|----------------|----------------|----------------|----------------|------|----------------|----------------|----------------|----------------|
| In.   | Pds.           | Pds.           | Pds.           | Pds.           | In.  | Pds.           | Pds.           | Pds.           | Pds.           |
| 1     | .852           | 1.27           | 1.70           | 2.13           | 2    | 2.18           | 3.20           | 4.26           | 5.32           |
| 1     | .958           | 1.43           | 1.91           | 2.39           | 2    | 2.34           | 3.51           | 4.68           | 5.85           |
| 1     | 1.06           | 1.59           | 2.13           | 2.68           | 3    | 2.55           | 3.83           | 5.11           | 6.39           |
| 1     | 1.17           | 1.75           | 2.34           | 2.92           | 3    | 2.77           | 4.15           | 5.53           | 6.92           |
| 1     | 1.27           | 1.91           | 2.55           | 3.19           | 3    | 2.98           | 4.47           | 5.98           | 7.45           |
| 1     | 1.49           | 2.23           | 2.98           | 3.72           | 3    | 3.19           | 4.79           | 6.38           | 7.98           |
| 2     | 1.70           | 2.55           | 3.40           | 4.26           | 4    | 3.40           | 5.10           | 6.80           | 8.52           |
| 2     | 1.91           | 2.87           | 3.83           | 4.79           |      |                |                |                |                |